

AMENDMENTS TO THE SPECIFICATION

Please substitute the following replacement paragraph(s) for the previously-pending versions of such paragraph(s). The replacement paragraph(s) are marked-up to show changes from the previously-pending versions thereof. Please add the following new paragraph(s) as indicated.

**** Replace the paragraph at page 25, lines 8-26 with the following replacement paragraph:**

Biomaterials or substrates that may be used according to one method of the present invention include metals such as titanium, titanium alloys, TiNi alloys, shape memory alloys, super elastic alloys, aluminum oxide, platinum, platinum alloys, stainless steels, stainless steel alloys, MP35N, cobalt-chromium alloys such as elgiloy Elgiloy®, haynes 25, and stellite, pyrolytic carbon, silver carbon, glassy carbon, polymers such as polyamides, polycarbonates, polyethers, polyesters, polyolefins including polyethylenes or polypropylenes, polystyrenes, polyurethanes, polyvinylchlorides, polyvinylpyrrolidones, silicone elastomers, fluoropolymers, polyacrylates, polyisoprenes, polytetrafluoroethylenes, rubber, minerals or ceramics such as hydroxapatite, human or animal protein or tissue such as bone, skin, teeth, collagen, laminin, elastin or fibrin, organic materials such as wood, cellulose, or compressed carbon, and other materials such as glass, and the like. Biomaterials of the present invention made using these materials may be coated, or uncoated, derivatized or underivatized. It is also recognized that certain side chain can be incorporated into polymers by modifying the choose of cross-linking agent. Further additional functional groups may be introduced into the polymer during polymer synthesis to form functional groups, such as allophanate and biuret groups which may gbe used to form additional chemical bonds with the quinones, semiquinones, and catechols of the present invention.